AI-READY VISION KIT FOR SMART MANUFACTURING

Quickly develop industrial manufacturing solutions.

- Time-series data and video analytics frameworks on a single platform
- Hardware-accelerated computer vision inference using the OpenVINO™ toolkit
- Container-based software for easy customization and deployment

Get Started  Buy Now

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Overview

Run Multiple Workloads

The included software provides video and time-series data ingestion and allows various analytics workloads to run on the same system.

Use Computer Vision Hardware Acceleration

Harness the performance of the CPU and the GPU for deep learning inference with the included OpenVINO™ toolkit.

Deploy Portable Software

Software based on Docker® containers gives flexibility and portability of solutions.
## Who Needs This Product
System integrators and independent software vendors who work on industrial deployments

## Use Cases
- Product measurement, identification, and quality inspection
- Worker safety
- Condition monitoring
- Predictive maintenance

## Reference Implementations
Object Flaw Detector

## Kit Details

### Hardware
- JWIPC E7QL developer kit
- 24-volt power supply

### Preinstalled Software
- Ubuntu* 16.04
- OpenVINO™ toolkit

## Hardware Specifications

### System Board
- Intel® Core™ i7-6700TE processor (2.4 GHz, quad core, 35 W thermal design power)
- Intel® Q170 Chipset
- 16 GB DDR4 system memory
- 256 GB solid state drive (SSD) and 1 TB hard disk drive (HDD)

### Expansion Slots
- 2 PCIe* 3.0 with 8 data lines
- 1 Mini-PCle*

### Operating Temperature
- Industrial SSD: -20°C to 60°C
- Commercial HDD: 0°C to 40°C

### I/O Interfaces
- 6 USB 3.0 ports
- 2 RS-232 serial ports
- 1 VGA
- 1 DisplayPort*
- 1 DVI-D
- 1 Intel® Ethernet Connection I219-LM
- 1 Intel® Ethernet Connection I210
# Documentation & Support

## Documentation
- User Guide
- JWIPC Website
- Intel® Distribution of OpenVINO™ Toolkit

## Support
- Contact JWIPC

## Tools
- Intel® Distribution of OpenVINO™ Toolkit
- Intel® Media SDK
- Intel® System Studio
- Intel® Software Development Kits

## Training
- IoT Training
- Tech.Decoded
- GitHub*: Intel® IoT Developer Kit
- 01.org
- YouTube*: Intel® IoT

## Related Programs
- Intel® AI: In Production
- Intel® Internet of Things Solutions Alliance